

## § 401.8

by a steel cable or a fiber rope in such a way that they can be raised or lowered in a manner that does not damage Seaway installations.

[61 FR 19551, May 2, 1996]

### § 401.8 Landing booms.

Vessels of more than 50 m in overall length shall be equipped with at least one adequate landing boom on each side.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[47 FR 51121, Nov. 12, 1982]

### § 401.9 Radiotelephone equipment.

(a) Self-propelled vessels, other than pleasure craft of less than 20.0 m in overall length, shall be equipped with VHF (very high frequency) radiotelephone equipment.

(b) The radio transmitters on a vessel shall:

(1) Have sufficient power output to enable the vessel to communicate with Seaway stations from a distance of 48 km; and

(2) Be fitted to operate from the conning position in the wheelhouse and to communicate on 156.55, 156.6, 156.65, 156.7, and 156.8 MHz.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[39 FR 10900, Mar. 22, 1974, as amended at 40 FR 11721, Mar. 13, 1975; 47 FR 51121, Nov. 12, 1982; 48 FR 20690, May 9, 1983; 61 FR 19551, May 2, 1996]

### § 401.10 Mooring lines.

(a) Mooring lines shall:

(1) Be of a uniform thickness throughout their length;

(2) Be fitted with a spliced eye not less than 2.4 m long;

(3) Have sufficient strength to check the vessel; and

(4) Be arranged so that they may be led to either side of the vessel as required.

(b) Unless otherwise permitted by an officer, only wire rope mooring lines with a breaking strength that complies with the minimum specifications set out in the table in this section shall be

## 33 CFR Ch. IV (7-1-98 Edition)

used for securing a vessel in lock chambers.

(c) Synthetic lines may be used for mooring at approach walls, tie-up walls and docks within the Seaway.

TABLE

Overall length of vessels	Length of mooring line	Breaking strength
40 m or more but not more than 60 m .....	110 m	89 kN.
More than 60 m but not more than 90 m .....	110 m	134 kN.
More than 90 m but not more than 120 m .....	110 m	178 kN.
More than 120 m but not more than 180 m .....	110 m	250 kN.
More than 180 m but not more than 222.5 m .....	110 m	300 kN.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and sec. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[39 FR 10900, Mar. 22, 1974, as amended at 47 FR 51121, Nov. 12, 1982; 48 FR 20691, May 9, 1983; 48 FR 22545, May 19, 1983; 61 FR 19551, May 2, 1996]

### § 401.11 Fairleads.

Mooring lines, and synthetic hawsers where permitted under paragraph (b) or (c) of § 401.10, shall:

(a) Be led at the vessel's side through a type of fairlead acceptable to the Corporation and the Authority;

(b) Pass through not more than two inboard fairleads that are fixed in place and provided with free-running sheaves or rollers; and

(c) Where the fairleads are mounted flush with the hull, be permanently fendered to prevent the lines from being pinched between the vessel and a wall.

### § 401.12 Minimum requirements—mooring lines and fairleads.

(a) Minimum requirements in respect of mooring lines, which shall be available for securing on either side of the vessel, winches, and the location of fairleads on vessels are as follows:

(1) Vessels of 40 m or less in overall length shall have at least two mooring lines or hawsers that may be led through closed chocks and be hand held, one of which shall lead from the break of the bow and the other shall lead from the quarter.